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(71) Applicant (for all designated States except US): 22ND CENTURY LIMITED, LLC [US/US]; 125 Virgil Avenue, Buffalo, NY 14216 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): PANDOLFINO, Joseph [US/US]; 5036 Shale Bluff Court, Clarence, NY 14031 (US).

(74) Agents: RICHARDS, Rowland et al.; Phillips Lytle LLP, 3400 HSBC Center, Buffalo, NY 14203 (US).

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Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

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(54) Title: REDUCED-EXPOSURE TOBACCO PRODUCTS

(57) Abstract: The present invention provides methodologies, including the utilization of genetically modified (GM) tobaccos, for the development and production of consumer acceptable PREPs encompassing the following: 1) production of low tar-to-nicotine ratio cigarettes, which allow smokers to obtain satisfying amounts of nicotine more efficiently than conventional cigarettes while reducing whole smoke deliveries; thereby reducing smoker "compensation" that exists with conventional low-yield cigarettes; 2) reduction of harmful tobacco-specific nitrosamines in tobacco products by genetic means and by extracting nicotine from tobacco and combining such with genetically modified reduced-nicotine tobacco; 3) production of improved expanded tobacco which utilizes genetically modified increased-nicotine tobacco; and 4) production of reconstituted tobacco which includes any combinations of the following: genetically modified increased-nicotine tobacco, genetically modified reduced-nicotine tobacco, tobacco leaf fractions, and freshly harvested freeze-dried tobacco.

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